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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Application Number	09/718,321
Filing Date	November 22, 2000
First Named Inventor	Martin Leach
Group Art Unit	Not Yet Assigned 1631
Examiner Name	Not Yet Assigned Ly
Attorney Docket Number	15966-599 (CURA-99)

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Assignee	Class	Sub Class	Filing Date If Appropriate
CM	A1	5,856,104	01/05/99	Affymetrix, Inc.	435	6	March 7, 1997

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Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Applicant	Date of Publication	Translation Yes No	
CM	B1	EP 0 717,113 A2	Affymax Technologies, N.V.	19-06-1966		X
	B2	WO 95/11995	Affymax Technologies, N.V.	4 May 1995		X
	B3	WO 93/22456	Trustees of Dartmouth College	11 November 1993		X
	B4	WO 98/14470	Genetics Institute, Inc.	9 April 1998		X
	B5	WO 98/20165	Whitehead Institute for Biomedical Research	14 May 1998		X
	B6	WO 98/56954	Affymetrix, Inc.	17 December 1998		X
	B7	WO 98/14466	Progentior, Inc.	9 April 1998		X
	B8	WO 97/19212	HP-Chemie Pelzer Research and Development Ltd.	29 Mai 1997		X

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
CM	C1	Abravaya, K., J. J. Carrino, et al. (1995). "Detection of point mutations with a modified ligase chain reaction (Gap- LCR)." <u>Nucleic Acids Res</u> 23(4): 675-82.
	C2	Adams, M. D., J. M. Kelley, et al. (1991). "Complementary DNA sequencing: expressed sequence tags and human genome project." <u>Science</u> 252(5013): 1651-6.
	C3	Barany, F. (1991). "Genetic disease detection and DNA amplification using cloned thermostable ligase." <u>Proc Natl Acad Sci U S A</u> 88(1): 189-93.
	C4	Cotton, R. G., N. R. Rodrigues, et al. (1988). "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations." <u>Proc Natl Acad Sci U S A</u> 85(12): 4397-401.
	C5	Evans, W. E. and M. V. Relling (1999). "Pharmacogenomics: translating functional genomics into rational therapeutics." <u>Science</u> 286(5439): 487-91.
	C6	Faham, M. and D. R. Cox (1995). "A novel in vivo method to detect DNA sequence variation." <u>Genome Res</u> 5(5): 474-82.
	C7	Fischer, S. G. and L. S. Lerman (1983). "DNA fragments differing by single base-pair substitutions are separated in denaturing gradient gels: correspondence with melting theory." <u>Proc Natl Acad Sci U S A</u> 80(6): 1579-83.



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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
AM	C8	Gibbs, R. A., P. N. Nguyen, et al. (1989). "Detection of single DNA base differences by competitive oligonucleotide priming." <u>Nucleic Acids Res</u> 17(7): 2437-48.*
	C9	Kren, B. T., B. Parashar, et al. (1999). "Correction of the UDP-glucuronosyltransferase gene defect in the Gunn rat model of Crigler-Najjar syndrome type I with a chimeric oligonucleotide." <u>Proc Natl Acad Sci U S A</u> 96(18): 10349-54.
	C10	Landegren, U., R. Kaiser, et al. (1988). "A ligase-mediated gene detection technique." <u>Science</u> 241(4869): 1077-80.
	C11	Maskos, U. and E. M. Southern (1993). "A novel method for the parallel analysis of multiple mutations in multiple samples." <u>Nucleic Acids Res</u> 21(9): 2269-70.
	C12	Myers, R. M., Z. Larin, et al. (1985). "Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA:DNA duplexes." <u>Science</u> 230(4731): 1242-6.
	C13	Newton, C. R., A. Graham, et al. (1989). "Analysis of any point mutation in DNA. The amplification refractory mutation system (ARMS)." <u>Nucleic Acids Res</u> 17(7): 2503-16. (ABSTRACT)
	C14	Nikiforov, T. T., R. B. Rendle, et al. (1994). "Genetic Bit Analysis: a solid phase method for typing single nucleotide polymorphisms." <u>Nucleic Acids Res</u> 22(20): 4167-75.
	C15	Orita, M., Y. Suzuki, et al. (1989). "Rapid and sensitive detection of point mutations and DNA polymorphisms using the polymerase chain reaction." <u>Genomics</u> 5(4): 874-9.
	C16	Orita, M., H. Iwahana, et al. (1989). "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms." <u>Proc Natl Acad Sci U S A</u> 86(8): 2766-70.
	C17	Orum, H., P. E. Nielsen, et al. (1993). "Single base pair mutation analysis by PNA directed PCR clamping." <u>Nucleic Acids Res</u> 21(23): 5332-6. (ABSTRACT)
	C18	Rhodes, M., R. Straw, et al. (1998). "A high-resolution microsatellite map of the mouse genome." <u>Genome Res</u> 8(5): 531-42.
	C19	Saiki, R. K., P. S. Walsh, et al. (1989). "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes." <u>Proc Natl Acad Sci U S A</u> 86(16): 6230-4.
	C20	Syvanen, A. C., K. Aalto-Setala, et al. (1990). "A primer-guided nucleotide incorporation assay in the genotyping of apolipoprotein E." <u>Genomics</u> 8(4): 684-92. (ABSTRACT)
	C21	Taillon-Miller, P., Z. Gu, et al. (1998). "Overlapping genomic sequences: A treasure trove of single-nucleotide polymorphisms [In Process Citation]." <u>Genome Res</u> 8(7): 748-54.
	C22	Thiede, C., E. Bayerdorffer, et al. (1996). "Simple and sensitive detection of mutations in the ras proto-oncogenes using PNA-mediated PCR clamping." <u>Nucleic Acids Res</u> 24(5): 983-4.
	C23	Wagner, R., P. Debbie, et al. (1995). "Mutation detection using immobilized mismatch binding protein (MutS)." <u>Nucleic Acids Res</u> 23(19): 3944-8.
	C24	Wallace, R. B., J. Shaffer, et al. (1979). "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch." <u>Nucleic Acids Res</u> 6(11): 3543-57.
	C25	Youil, R., B. W. Kemper, et al. (1995). "Screening for mutations by enzyme mismatch cleavage with T4 endonuclease VII." <u>Proc Natl Acad Sci U S A</u> 92(1): 87-91.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	9/25/02
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PTC/350 (2-97)

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Application Number	09/718,321
Filing Date	11/22/2000
First Named Inventor	Shimkets
Group Art Unit	1645-1631
Examiner Name	Not Yet Assigned Lg
Attorney Docket Number	15966-599

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C30	SWISS-PROT Database Accession Number: P55060 (10/01/96).
	C31	International Preliminary Examination Report for PCT/US00/32311. Mailed on April 9, 2002.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	<i>Clayton</i>	Date Considered	9/25/03
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